

Message Text

UNCLASSIFIED

PAGE 01 GENEVA 04093 01 OF 03 161825Z

ACTION ACDA-12

INFO OCT-01 ISO-00 SOE-02 AF-10 ARA-14 CIAE-00 DODE-00

EA-12 EUR-12 PM-05 H-02 INR-10 IO-14 L-03

NASA-02 NEA-10 NSAE-00 NSC-05 OIC-02 SP-02 PA-02

DOE-11 CEQ-01 OES-07 SS-15 USIA-15 NRC-07 ACDE-00

/176 W

-----010249 161851Z /46

P 161808Z MAR 78

FM USMISSION GENEVA

TO SECSTATE WASHDC PRIORITY 7306

INFO AMEMBASSY BONN

AMEMBASSY LONDON

AMEMBASSY MOSCOW

AMEMBASSY STOCKHOLM

AMEMBASSY TOKYO

USMISSION USNATO

UNCLAS SECTION 01 OF 03 GENEVA 04093

E.O. 11652: GDS

TAGS: PARM, CCD

SUBJECT: CCD: SEISMIC EXPERTS REPORT: SOVIET STATEMENT,

U.S. INTERVENTION, AND U.K. STATEMENT; MARCH 16, 1978

1. SOVIET REP (LIKHACHEV) MADE THE FOLLOWING STATEMENT
IN THE CCD PLENARY ON MARCH 16, ON THE REPORT OF THE
SEISMIC EXPERTS' GROUP.

2. BEGIN TEXT: THE REPORT PRESENTED BY THE AD HOC GROUP
OF SCIENTIFIC EXPERTS WHICH IS DEVOTED TO THE ELABORATION
OF INTERNATIONAL CO-OPERATIVE MEASURES TO DETECT AND TO
IDENTIFY SEISMIC EVENTS HAS BEEN PREPARED ON THE BASIS OF
LATEST ACHIEVEMENTS IN SEISMOLOGY AND, AS WE HOPE, IT
WILL BE A VALUABLE AND USEFUL STUDY.

IN THE COURSE OF THEIR WORK THE EXPERTS HAVE ANALYZED
UNCLASSIFIED

UNCLASSIFIED

PAGE 02 GENEVA 04093 01 OF 03 161825Z

CAPABILITIES OF EXISTING AND PLANNED SEISMOLOGICAL STA-
TIONS OF THE GLOBE AND PROCEEDING FROM SEISMOLOGICAL
PRINCIPLES SELECTED APPROXIMATELY 50 MOST EFFECTIVE STA-
TIONS FOR THE PLANNED GLOBAL SEISMOLOGICAL NETWORK.

TECHNICAL CAPABILITIES OF THE EXISTING INTERNATIONAL
MEANS OF COMMUNICATION WERE STUDIED AND COMMUNICATION

CHANNELS OF THE WORLD METEOROLOGICAL ORGANIZATION WHICH ENSURE NEEDED EFFECTIVENESS, RELIABILITY AND REQUIRED VOLUMES OF THE SEISMIC INFORMATION TRANSMITTED, WERE RECOMMENDED AS MOST ACCEPTABLE.

ON THE BASIS OF THE ANALYSIS OF TECHNICAL DATA AS WELL AS TAKING INTO ACCOUNT THE NEED FOR ENSURING HIGH DEGREE OF RELIABILITY AND EFFECTIVENESS OF THE FUNCTIONING OF THE GLOBAL NETWORK, THE REPORT RECOGNIZES IT AS ADVISABLE TO ESTABLISH SEVERAL INTERNATIONAL CENTRES, FIRST OF ALL, IN THE PLACES WHERE WMO COMMUNICATION CENTRES ARE LOCATED - IN MOSCOW AND WASHINGTON. A WISH IS EXPRESSED FOR ESTABLISHING INTERNATIONAL DATA CENTRES ALSO IN OTHER PLACES, FOR EXAMPLE, IN THE SOUTHERN HEMISPHERE.

THERE HAVE BEEN DETERMINED SEISMIC PARAMETERS WHICH SHOULD BE TRANSMITTED IN STANDARD FORM TO INTERNATIONAL CENTRES FOR COLLECTION, PROCESSING AND EXCHANGE OF SEISMIC DATA. THE PROCEDURES WHICH WILL BE USED IN THE INTERNATIONAL CENTRES FOR DETECTION, LOCATION AND EVALUATION OF MAGNITUDE AND DEPTH OF SEISMIC EVENTS, SHOULD FOLLOW STANDARD PRACTICE. THE CENTRES WILL ALSO SYSTEMATIZE IDENTIFICATION PARAMETERS ASSOCIATED WITH THE SEISMIC EVENTS.

ON THE BASIS OF CLEARLY SPECIFIED SUPPOSITIONS AND ASSUMPTIONS THE REPORT PROVIDES THEORETICAL PROBABILISTIC EVALUATIONS OF CAPABILITIES OF THE GLOBAL NETWORK FOR UNCLASSIFIED

UNCLASSIFIED

PAGE 03 GENEVA 04093 01 OF 03 161825Z

DETECTION AND LOCATION OF SEISMIC EVENTS AS WELL AS OF OBTAINING IDENTIFICATION PARAMETERS. IT FOLLOWS FROM THE EVALUATIONS THAT CAPABILITIES FOR DETECTION, LOCATION AND IDENTIFICATION OF EVENTS ARE SOMEWHAT LOWER IN THE SOUTHERN HEMISPHERE AS COMPARED WITH THE NORTHERN HEMISPHERE.

THE REPORT TOUCHES ALSO ON THE QUESTION OF EXPERIMENTAL TESTING OF THE INTERNATIONAL NETWORK FOR SEISMIC DATA EXCHANGE.

IN VIEW OF THE FACT THAT THE EVALUATIONS OF CAPABILITIES OF THE GLOBAL NETWORK ARE BASED ON THEORETICAL CALCULATIONS THE GROUP DEEMS IT DESIRABLE TO CARRY OUT EXPERIMENTAL TESTING OF THE NETWORK FOR THE PURPOSE OF MAKING EVALUATIONS MORE ACCURATE AND FINDING POSSIBLE DEFECTS OF THE NETWORK. THE POSSIBLE CONDUCT OF EXPERIMENTAL TESTING OF THE GLOBAL NETWORK SHOULD BE, IN VIEW OF THE GROUP, SUBDIVIDED IN TWO STAGES. THE FIRST STAGE CONSISTS OF THE ELABORATION OF SCIENTIFIC AND METHODOLOGICAL QUESTIONS OF THE CONDUCT OF THE EXPERIMENT. THE SECOND STAGE IS THE CARRYING OUT AND EVALUATIONS OF THE EXPERIMENTAL TESTING. THE GROUP BELIEVES THAT THE FIRST

- PREPARATORY - STAGE IS QUITE A LABOUR-CONSUMING, IMPORTANT AS WELL AS CRUCIAL PERIOD ON WHICH DEPENDS SUCCESS OF THE ENTIRE EXPERIMENT. ACCORDING TO THE ASSESSMENT OF THE GROUP A TIME PERIOD OF NOT LESS THAN 6 MONTHS, AND MOST LIKELY EVEN CONSIDERABLY LONGER, WILL BE REQUIRED FOR CARRYING OUT THE EXPERIMENT.

WHEN ALL THE MEMBERS OF THE COMMITTEE HAVE SUFFICIENTLY STUDIED THE REPORT OF THE GROUP, THE COMMITTEE WILL APPARENTLY BE ABLE TO TAKE NOTE OF THE REPORT.

HOWEVER, THERE STILL REMAIN TWO SEPARATE QUESTIONS,

UNCLASSIFIED

NNN

UNCLASSIFIED

PAGE 01 GENEVA 04093 02 OF 03 161835Z
ACTION ACDA-12

INFO OCT-01 ISO-00 SOE-02 AF-10 ARA-14 CIAE-00 DODE-00
EA-12 EUR-12 PM-05 H-02 INR-10 IO-14 L-03
NASA-02 NEA-10 NSAE-00 NSC-05 OIC-02 SP-02 PA-02
DOE-11 CEQ-01 OES-07 SS-15 USIA-15 NRC-07 ACDE-00
/176 W

-----010452 161852Z /46

P 161808Z MAR 78
FM USMISSION GENEVA
TO SECSTATE WASHDC PRIORITY 7307
INFO AMEMBASSY BONN
AMEMBASSY LONDON
AMEMBASSY MOSCOW
AMEMBASSY STOCKHOLM
AMEMBASSY TOKYO
USMISSION USNATO

UNCLAS SECTION 02 OF 03 GENEVA 04093

NAMELY, THE CONDUCT OF EXPERIMENTAL TESTING OF THE GLOBAL NETWORK AND THE PROLONGATION OF THE WORK OF THE GROUP OF EXPERTS.

THE SOVIET DELEGATION BELIEVES THAT THE EXPERIMENTAL TESTING OF THE INTERNATIONAL NETWORK FOR SEISMIC DATA EXCHANGE WHICH IS DISCUSSED IN THE REPORT OF THE AD HOC GROUP OF SCIENTIFIC SEISMOLOGY EXPERTS, IS IN PRINCIPLE DESIRABLE.

HOWEVER, IN THIS CASE IT SHOULD BE REMEMBERED THAT

THE GLOBAL NETWORK OF SEISMOLOGICAL STATIONS IS BEING ELABORATED TAKING INTO ACCOUNT THE TASKS OF VERIFICATION OF THE COMPLIANCE WITH THE TREATY ON THE PROHIBITION OF NUCLEAR WEAPON TESTS. THEREFORE, IT IS PERFECTLY OBVIOUS THAT UNTIL THE TREATY IS CONCLUDED AND UNTIL THERE BECOME KNOWN PRINCIPAL STATES PARTIES WHICH WILL CONTRIBUTE

UNCLASSIFIED

UNCLASSIFIED

PAGE 02 GENEVA 04093 02 OF 03 161835Z

THEIR SEISMOLOGICAL STATIONS TO THE GLOBAL NETWORK, THE EXPERIMENTAL TESTING CANNOT BE PRACTICALLY CARRIED OUT. THUS, THE DECISION ON WHETHER TO CONDUCT OR NOT TO CONDUCT EXPERIMENTAL TESTING OF THE FUTURE INTERNATIONAL NETWORK FOR SEISMIC DATA EXCHANGE WILL BE TAKEN BY STATES PARTIES TO THE TREATY. BESIDES, AS IT WAS POINTED OUT IN TODAY'S TRIPARTITE STATEMENT TO THE COMMITTEE ON DISARMAMENT, THE GUIDELINES FOR SETTING UP AND RUNNING THE INTERNATIONAL SEISMIC EXCHANGE SHOULD BE LAID DOWN IN AN ANNEX TO THE TREATY, AND THAT THE DETAILED ORGANIZATIONAL AND PROCEDURAL ARRANGEMENTS FOR IMPLEMENTING THE INTERNATIONAL EXCHANGE SHOULD BE WORKED OUT AFTER THE ENTRY INTO FORCE OF THE TREATY, DRAWING ON THE RECOMMENDATIONS CONTAINED IN THE REPORT OF THE AD HOC GROUP.

AT THE SAME TIME, WE BELIEVE THAT IT WOULD BE USEFUL EVEN BEFORE THE CONCLUSION OF THE TREATY TO START PREPARATORY WORK FOR POSSIBLE SUBSEQUENT EXPERIMENTAL TESTING OF THE INTERNATIONAL NETWORK AND IN THIS CONNECTION TO ELABORATE SCIENTIFIC AND TECHNICAL PRINCIPLES OF SUCH TESTING. THE AD HOC GROUP OF SCIENTIFIC EXPERTS TO CONSIDER INTERNATIONAL CO-OPERATIVE MEASURES TO DETECT AND TO IDENTIFY SEISMIC EVENTS WHICH WAS ESTABLISHED BY US COULD TAKE UP THE WORK OF SOLVING THIS TASK. BY PRESENTING THE FINAL REPORT ON ITS WORK THE GROUP OF SCIENTIFIC SEISMOLOGY EXPERTS HAS EXHAUSTED ITS MANDATE. AT PRESENT WE COULD EXAMINE THE QUESTION OF PROLONGING THE WORK OF THE SAID GROUP AND DEFINING ITS MANDATE HAVING IN MIND THE ELABORATION OF SCIENTIFIC AND TECHNICAL PRINCIPLES OF POSSIBLE EXPERIMENTAL TESTING OF THE INTERNATIONAL NETWORK FOR SEISMIC DATA EXCHANGE. END TEXT

3. SUBSEQUENT TO SOVIET STATEMENT, U.S. REP (FISHER) MADE THE FOLLOWING INTERVENTION TO SET THE RECORD STRAIGHT ON U.S. POSITION WITH REGARD TO CARRYING OUT SEISMIC DATA

UNCLASSIFIED

UNCLASSIFIED

PAGE 03 GENEVA 04093 02 OF 03 161835Z

EXPERIMENTAL EXERCISE.

BEGIN TEXT:

I LISTENED WITH INTEREST TO THE STATEMENT OF THE DISTINGUISHED REPRESENTATIVE OF THE SOVIET UNION. THE ONLY REASON I AM INTERVENING IS BECAUSE HIS STATEMENT DID CONTAIN AN IMPLICATION THAT THE AGREED TRIPARTITE STATEMENT, READ BY AMBASSADOR ASHE, IMPLIED THAT THERE HAD BEEN TRIPARTITE AGREEMENT THAT THE RECOMMENDATIONS OF THE SEISMIC EXPERTS FOR THE EXECUTION OF A SEISMIC EXERCISE SHOULD NOT NOW BE ACCEPTED. I AM NOT IN ANY WAY DISPUTING HIS REFERENCES TO THE TRIPARTITE POSITION WITH RESPECT TO THE MECHANISM FOR THE IMPLEMENTATION OF THE COMPREHENSIVE TEST BAN, WHICH WE WILL ALL HOPE WILL SOON BE BEFORE US. HOWEVER, THE TRIPARTITE AGREEMENT DOES NOT IMPLY AGREEMENT THAT THE RECOMMENDATION OF THE SEISMIC EXPERTS, THAT THERE BE A MANDATE FOR THEM TO BOTH PLAN AND EXECUTE THE EXERCISE THEY RECOMMENDED IN THEIR REPORT, SHOULD NOT NOW BE CARRIED OUT. AS I INDICATED IN MY STATEMENT LAST TUESDAY, "THE UNITED STATES WOULD BE PREPARED TO EXTEND THE MANDATE OF THE AD HOC EXPERTS' GROUP AND WOULD BE PREPARED TO JOIN WITH OTHERS IN THE PLANNING AND CARRYING OUT OF THE EXPERIMENTAL EXERCISE RECOMMENDED IN THE REPORT." THAT IS THE POSITION OF THE UNITED STATES. END TEXT.

4. SUBSEQUENT TO SOVIET STATEMENT, U.K. REP (ASHE) MADE THE FOLLOWING STATEMENT ON SEISMIC EXPERTS' REPORT.

BEGIN TEXT:

I SHALL BE VERY BRIEF. I WISH TO INDICATE MY DELEGATION'S SUPPORT FOR THE PROPOSAL MADE BY THE REPRESENTA-

UNCLASSIFIED

NNN

UNCLASSIFIED

PAGE 01 GENEVA 04093 03 OF 03 161841Z
ACTION ACDA-12

INFO OCT-01 ISO-00 SOE-02 AF-10 ARA-14 CIAE-00 DODE-00
EA-12 EUR-12 PM-05 H-02 INR-10 IO-14 L-03
NASA-02 NEA-10 NSAE-00 NSC-05 OIC-02 SP-02 PA-02
DOE-11 CEQ-01 OES-07 SS-15 USIA-15 NRC-07 ACDE-00
/176 W

-----010531 161852Z /46

P 161808Z MAR 78
FM USMISSION GENEVA
TO SECSTATE WASHDC PRIORITY 7308
INFO AMEMBASSY BONN

AMEMBASSY LONDON
AMEMBASSY MOSCOW
AMEMBASSY STOCKHOLM
AMEMBASSY TOKYO
USMISSION USNATO

UNCLAS SECTION 03 OF 03 GENEVA 04093

TIVE OF SWEDEN AT OUR MEETING ON 14 MARCH FOR THE CONTINUATION IN BEING OF THE AD HOC GROUP OF SCIENTIFIC EXPERTS TO CONSIDER INTERNATIONAL COOPERATIVE MEASURES TO DETECT AND IDENTIFY SEISMIC EVENTS. WE ARE OF THE VIEW THAT AN EXPERIMENTAL EXERCISE WILL BE NECESSARY TO VALIDATE THE REPORT (CCD/558) AND THAT THIS SHOULD LOGICALLY BE PLANNED BY THE GROUP WHICH PRODUCED THE REPORT.

AS YOU WILL HAVE NOTED FROM THE TRIPARTITE REPORT THE U.K. BELIEVES THAT INTERNATIONAL EXCHANGE OF SEISMIC DATA WILL PLAY A MAJOR ROLE IN VERIFICATION OF COMPLIANCE WITH A CTB TREATY. WE ARE PARTICULARLY ANXIOUS THAT ALL PARTIES TO THE TREATY SHOULD BE ENABLED TO PARTICIPATE IN VERIFICATION. THE WORK OF THE GROUP TO DATE AND THIS PROPOSED EXTENSION WILL PLAY A VERY IMPORTANT PART IN MAKING THAT POSSIBLE. END TEXT. VANDEN HEUVEL

UNCLASSIFIED

NNN

Message Attributes

Automatic Decaptioning: X
Capture Date: 01 jan 1994
Channel Indicators: n/a
Current Classification: UNCLASSIFIED
Concepts: INTERVENTION, SEISMOLOGY, SCIENTIFIC COOPERATION, REPORTS
Control Number: n/a
Copy: SINGLE
Draft Date: 16 mar 1978
Decaption Date: 01 jan 1960
Decaption Note:
Disposition Action: n/a
Disposition Approved on Date:
Disposition Case Number: n/a
Disposition Comment:
Disposition Date: 01 jan 1960
Disposition Event:
Disposition History: n/a
Disposition Reason:
Disposition Remarks:
Document Number: 1978GENEVA04093
Document Source: CORE
Document Unique ID: 00
Drafter: n/a
Enclosure: n/a
Executive Order: N/A
Errors: N/A
Expiration:
Film Number: D780117-0936
Format: TEL
From: GENEVA
Handling Restrictions: n/a
Image Path:
ISecure: 1
Legacy Key: link1978/newtext/t19780362/aaaabztj.tel
Line Count: 300
Litigation Code IDs:
Litigation Codes:
Litigation History:
Locator: TEXT ON-LINE, ON MICROFILM
Message ID: d5244bc6-c288-dd11-92da-001cc4696bcc
Office: ACTION ACDA
Original Classification: UNCLASSIFIED
Original Handling Restrictions: n/a
Original Previous Classification: n/a
Original Previous Handling Restrictions: n/a
Page Count: 6
Previous Channel Indicators: n/a
Previous Classification: n/a
Previous Handling Restrictions: n/a
Reference: n/a
Retention: 0
Review Action: RELEASED, APPROVED
Review Content Flags:
Review Date: 29 mar 2005
Review Event:
Review Exemptions: n/a
Review Media Identifier:
Review Release Date: n/a
Review Release Event: n/a
Review Transfer Date:
Review Withdrawn Fields: n/a
SAS ID: 3313014
Secure: OPEN
Status: NATIVE
Subject: CCD: SEISMIC EXPERTS REPORT: SOVIET STATEMENT, U.S. INTERVENTION, AND U.K. STATEMENT; MARCH 16, 1978
TAGS: PARM, CCD
To: STATE
Type: TE
vdkgvwkey: odb://SAS/SAS.dbo.SAS_Docs/d5244bc6-c288-dd11-92da-001cc4696bcc
Review Markings:
Sheryl P. Walter
Declassified/Released
US Department of State
EO Systematic Review
20 Mar 2014
Markings: Sheryl P. Walter Declassified/Released US Department of State EO Systematic Review 20 Mar 2014